World-Wide Abstract Service

EXCERPTA MEDICA

An International Medical Abstract Service published in English and covering the whole field of Clinical and Experimental Medicine

I.	Anatomy, Anthropology, Embryology and Histology\$22.50
II.	Physiology, Biochemistry and Pharmacology 45.00
III.	Endocrinology 15.00
	Medical Microbiology and Hygiene
V.	General Pathology and Pathological Anatomy
VI.	Internal Medicine 37.50
VII.	Pediatrics
VIII.	Neurology and Psychiatry 22.50
IX.	Surgery
X.	Obstetrics and Gynecology 15.00
XI.	Oto-rhino-laryngology 15.00
XII.	Ophthalmology 15.00
XIII.	Dermatology and Venereology 25.00
XIV.	Radiology 15.00
XV.	Tuberculosis

Special rate to libraries ordering all 15 sections \$250.00

Published monthly, one volume a year. Subscription by volume only, payable in advance. Send for a sample copy of the section which covers your specialty

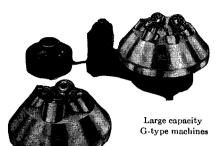
THE WILLIAMS & WILKINS COMPANY

Mt. Royal and Guilford Aves. Baltimore 2, Md.

Sole distributor for the United States, Canada and Central America

SERVALLANGLE CENTRIFUGES

Ask for Bulletin L-121 with complete data on all models



Type G/1, for 6 bottles of 250 cc each 18 tubes of 60 cc each 42 tubes of 15 cc each 78 tubes of 10 cc each 78 tubes of 500 cc each 25 cc each

Type G/2, for 4 bottles of 500 cc each Type G/3, for 10 tubes of 100 cc each



STERLING AUTOMATIC HAND PIPETTES

Dispense accurately, at a set speed, predetermined amounts of 0.1 cc to 10.0 cc.

Easy to Operate—Time Saving



Ask for Bulletin L-123

ORIGINAL—ODHNER

Portable Calculator for the Scientist Many different models

Efficient-Sturdy-Low Priced

Manufacturers and Distributors:

IVAN SORVALL, Inc.

210 FIFTH AVE.

NEW YORK 10, N.Y.

International Accessories





Penicillin Inactivation

with

BACTO-PENASE

Bacto-Penase is a sterile thermolabile biological extract possessing the capacity to neutralize the antibiotic properties of all known types of penicillin. It is non-toxic to microörganisms and is therefore particularly satisfactory for use in the sterility testing of penicillin or products containing penicillin, and in determining the microbial counts on penicillin-containing products. Bacto-Penase is recommended as a penicillinase for use in official procedures for sterility testing of penicillin. It is also recommended for use in media for culturing organisms from blood and other body fluids containing penicillin and for estimation of penicillin levels in such fluids.

PENICILLIN STERILITY TESTS

BACTO-PENASE in a concentration of 1 ml. per 15 ml. of Bacto-Fluid Thiogly-collate Medium inactivates 50,000 units of *penicillin* in 40-48 hours incubation or 10,000 units of *penicillin* in 18 hours incubation.

BLOOD CULTURE

BACTO-PENASE is recommended for use in media for culturing blood or other body fluids containing penicillin. It is suggested that 1 ml. of BACTO-PENASE be added to 100 ml. of culture media such as Bacto-Brain Heart Infusion with PAB or Bacto-Brain Heart Infusion with PAB and Agar for this purpose. Media so prepared will inactivate the maximum amount of penicillin and sulfon-amides present in 10 ml. or less of blood or other body fluids, and will also inactivate up to 1000 units of streptomycin.

Stability. Bacto-Penase and media containing this penicillinase are stable when stored at refrigerator temperatures (2°-6°C.).

Bacto-Penase Concentrate. Bacto-Penase is available in concentrated form as Bacto-Penase Concentrate, 1 ml. of which neutralizes 500,000 units of penicillin. Bacto-Penase Concentrate is recommended in the sterility testing of penicillin.

BACTO-PENASE and BACTO-PENASE CONCENTRATE are supplied in a standard package of one-half dozen screw cap tubes of 20 ml. each.

Descriptive literature is available upon request.

Specify "DIFCO"

THE TRADE NAME OF THE PIONEERS
In the Research and Development of Bacto-Peptone and Dehydrated Culture Media

DIFCO LABORATORIES

DETROIT 1, MICHIGAN